

## SUBJECT of PO SARSS OFFICE E-mail to SARSS Community: STEPS FOR CHANGING PBUSE FROM FTP TO SECURE FTP

Hello Ladies and Gentlemen:

The purpose of this note is to provide SARSS-1 related guidance to the field that should minimize unnecessary challenges associated with use of Secure File Transfer Protocol (FTP) in coordination with the PBUSE community.

The following is a list of instructions that should be followed by the SARSS-1 operator before changing PBUSE units from FTP to Secure FTP (SFTP).

1. OPEN PORT 22. The IP address for the PBUSE units must be identified and provided to the local DOIM/Network administrator to have port 22 opened for those IP addresses. Ensure that PBUSE will be allowed to send and pull files.
2. CHECK FTPMON. Check FTPMON to see if there are any files waiting to be sent to a PBUSE customer via FTP. If there are, fail the entries. This is a critical step. If they have not failed out of the FTP queue, then PBUSE will not be able to pick them up utilizing Secure FTP. Leave them in SNRMON until you have finished all of the steps below.
3. ACCESS. Utilizing the ACCESS command, locate the PBUSE IP address or addresses and change the TYPE OF ENTRY to a 3 (Three). This will allow PBUSE access by secure shell (SFTP) only.
4. UPDRT. The routing table for all PBUSE units must be changed to Secure FTP (Value of S). Identify all the PBUSE units and change their routing tables. Do this for ALL PBUSE UNITS AT THE SAME TIME, NOT JUST ONE OR TWO.
5. PASSWORD. There could be two possible problems with the login password for PBUSE units (described below). You may need to go to FTTPAS to delete the PBUSE user and recreate the directory. Before deleting and recreating this home directory, check SFTPMON to ensure that no entries are waiting to be picked up. If there are, fail them out of the SFTP queue first, then execute FTTPAS to recreate the PBUSE user. When finished, do SNR to retry them (Step 6 below).

PROBLEM 1. PBUSE can connect but is immediately disconnected. The password entry for the PBUSE user must contain the words /bin/shl instead of /bin/false. This entry is located in the /etc/password file. If the password has the /bin/false, then the connecting PBUSE unit will immediately be disconnected.

PROBLEM 2. The login password may be expired. There should be a message appearing to the PBUSE unit that their password has expired. This requires a new password to be coordinated with the PBUSE unit and then changed on the SARSS-1 system. AGAIN YOU MUST COORDINATE WITH THE PBUSE USER.

6. Once all of the above steps have been completed. Execute SNR; it will ask what action needs to be taken on the files that have failed. Just do a RETRY and the new routing entry will take affect. Check the SFTPMON to ensure that all entries are waiting there to be picked up. After that, all new entries should go to the Secure FTP queue.